

# Abstract

The present invention provides a DNA participating in biological transformation of a macrolide compound 11107B. The present invention provides, particularly, a DNA participating in biological transformation of a macrolide compound 11107B represented by the formula (I) into a 16-position hydroxy macrolide compound 11107D represented by the formula (II), the DNA encoding a protein having 16-position hydroxylating enzymatic activity or ferredoxin, to a method of isolating the DNA, to a protein encoded by the DNA, a plasmid carrying the DNA, a transformant obtained by transforming using the plasmid and a method of producing a 16-position hydroxy compound by using the transformant.

